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(54) SHEET DOUBLE FEED DETECTING DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a sheet double feed detecting device capable of certainly detecting sheet double feeding.

SOLUTION: This sheet double feed detecting device comprises a first and second driving rollers 11, 21 which are rotated synchronously each other by a motor 31, a first driven roller 12 driven by abutting on the first driving roller 11, a second driven roller 22 driven by abutting on the second driving roller 21, a torque motor 32 which gives the first driven roller 12 a smaller torque than a torque of the motor 31 in a rotational direction opposite to the driven direction caused by the first driving roller 11, a rotational velocity detector 16

detecting a rotational velocity of the first driving roller 11, a rotational velocity detector 26 detecting a rotational velocity of the second driven roller 22, and a comparing means 41 detecting sheet double feeding by comparing between output values of both the rotational velocity detector 16 and the rotational velocity detector 26.

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